



Teams to be judged by  
Executive-level Engineers!

Teams will be judged on:

- PowerPoint Presentation
- Specification Measurements
- Bridge Strength-to-Weight Ratio



# TRAC

## TRANSPORTATION AND CIVIL ENGINEERING (TRAC) PROGRAM

MDOT is interested in students with math and science skills for future employment as civil engineers and transportation specialists. The TRAC program provides classrooms with hands-on tools designed to build interest in math and science. TRAC provides these benefits to Michigan teachers and students:

- Free hands-on materials for math, science, and civics that put engineering, design and building skills to the test
- Free interactive software
- Free training
- Free replacement supplies
- SCECH credits for teachers
- Activities aligned to Michigan educational standards
- Engineer visits for career presentations
- Assistance using the software/modules
- Michigan bridge-building contests
- Pave a pathway for higher education via internships with possible opportunities for civil engineering scholarships

For more information, contact  
Julie VanPortfliet at 906-786-1830 ext. 317  
or go to MDOT's Web site at:

[www.michigan.gov/mdot-trac](http://www.michigan.gov/mdot-trac)



Governor Rick Snyder



Director Kirk T. Steudle, P.E.  
Chief Operations Officer Gregory C. Johnson, P.E.

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# TRAC

## TRANSPORTATION AND CIVIL ENGINEERING

## 6th ANNUAL MICHIGAN DESIGN & BUILD BRIDGE CHALLENGE!



The Michigan Department  
of Transportation  
Teaming with Michigan Schools



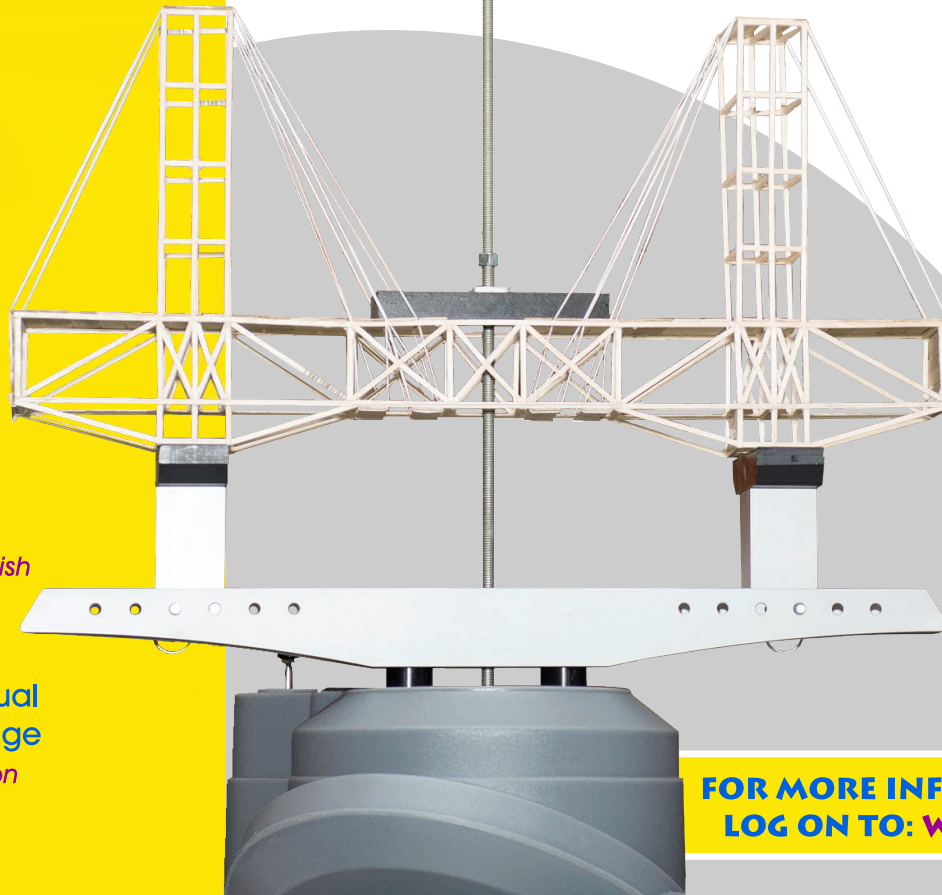
# BRIDGE CHALLENGE!

**YOU ...**  
DO THE WORK AND HAVE FUN

**MDOT ...**  
HELPS PAVE THE WAY

## HOW:

- Register teams of three students by November 1, 2013.
- Kits will be shipped by November 15, 2013  
Kits contain all materials needed to build your bridge.
- Send in a complete Report Portfolio  
*Postmarked on or before February 22, 2014.*
- Have fun!  
*You have until mid April to finish building your bridge!*
- Come to Lansing, on us!
- Compete in the 6th Annual Design & Bridge Challenge  
*Give a 10-minute presentation and test your bridge.*



**WHAT:** Michigan Design & Build Bridge Challenge

**WHEN:** April 17, 2014

**WHERE:** The Lansing Center

**WHO: 7<sup>TH</sup> - 8<sup>TH</sup> GRADERS:**  
BUILD A TRUSS BRIDGE

**9<sup>TH</sup> - 10<sup>TH</sup> GRADERS:**  
BUILD A CANTILEVER THROUGH TRUSS BRIDGE

**11<sup>TH</sup> - 12<sup>TH</sup> GRADERS:**  
BUILD AN ARCH BRIDGE



Teams who submit **COMPLETE REPORT PORTFOLIOS** will be invited to compete in the Michigan Design and Build Bridge Challenge in Lansing on April 17, 2014.

Complete requirements are outlined in the Bridge Challenge Competition Rules.

## WIN: GIFT CARDS/PRIZES

1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
PLACE TEAMS	PLACE TEAMS	PLACE TEAMS	PLACE TEAMS
\$300	\$225	\$150	\$75

**FOR MORE INFORMATION & COMPETITION RULES,**  
LOG ON TO: [WWW.MICHIGAN.GOV/MDOT-TRAC](http://WWW.MICHIGAN.GOV/MDOT-TRAC)